RepPoxy™ MB

TuffTex Materials, Inc.
2209 Donley Drive
Austin, TX 78758
Office: (512) 617-7334

Medium Viscosity Epoxy Mortar & Grout

DESCRIPTION:
RepPoxy MB Bonding Agent is a two-component, 100% solids, moisture-insensitive, medium viscosity, high strength, multi-purpose liquid epoxy adhesive. With aggregate or other mineral fillers, **RepPoxy MB** can be used as a mortar or grout to resurface or patch damaged concrete slabs and walls.

FEATURES:
- Easy to use 1:1 mix ratio
- High strength, high modulus
- Non-sag gel consistency
- Easy dispensing
- Made in America
- Moisture tolerant
- Solvent free

USES:
Use to bond freshly mixed concrete to hardened concrete. Use as a binder in epoxy mortar. Can also be used as an anchoring adhesive or to fill voids and cracks in concrete.

TECHNICAL DATA:
RepPoxy MB meets the current ASTM C881 and AASHTO M235, Types I, II, IV & V Grade 2, Classes B & C specifications.

PACKAGING:
- 1 gal (3.8 L) unit
- 2 gal (7.6 L) unit
- 10 gal (38 L) unit

COVERAGE:
MORTAR: 1 gallon with 50 lbs (22.78 kgs) sand, approximately 0.43 ft^3 (0.012 m^3)
BONDER: 50-100 sqft/gallon

STORAGE:
Store in a cool, dry area, 40ºF-95ºF (5ºC-5ºC), away from direct sunlight.

SHELF LIFE:
Shelf life of unopened containers stored in a dry facility is 24 months (2 years). Excessive temperature differential and/ or high humidity can shorten the shelf-life expectancy

PROPERTIES:

Mix Ratio by Volume	1:1
Viscosity	3,300 cps
Gel Time (60g)	45 minutes
Tack Free Time (73ºF/23ºC)	3-4 hours
Tensile Strength	7,500 psi (51.7 MPa)
Tensile Elongation	3%
Bond Strength	
2 Day	2,300 psi
14 Day	3,360 psi
Compressive Strength	
7 Day	10,400 psi
Compressive Modulus	
7 Day	406,400 psi
Shear Strength	5,500 psi (37.9 MPa)
Flexural Strength	6,000 psi (41.4 MPa)
Shrinkage on Cure	0.2%
Thermal Compatibility	Pass
Heat Deflection	122ºF (50ºC)
Absorption (24 hr.)	0.11%

APPLICATION:
SURFACE PREPARATION: All surface contamination must be removed by mechanical means, creating a surface profile of exposed sound aggregate. Metal surfaces should be sandblasted to white metal finish and wiped clean with solvent

MIXING: Precondition epoxy to 65ºF-85ºF (18ºC-29ºC). Pre-mix each component. Mix only the amount of material that can be used within its pot life. Proportion each component carefully into a

clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400-600rpm). Scrape the sides and bottom of the container. To prepare an epoxy patching mortar, slowly add 2-3 parts of oven-dried silica sand to 1 part of mixed epoxy by volume. Mix only until all aggregate is wetted out.

TO BOND FRESH CONCRETE TO OLD: Use a brush, roller or squeegee to apply about 15 to 30 mils (0.38 to .76 MM) thick bond line. Place fresh concrete while epoxy is still tacky.

TO GRAVITY FEED CRACKS: Blow vee-notched crack with oil-free compressed air. Seal underside if cracks reflect through. Pour mixed epoxy into cracks. Repeat until completely filled.

TO PATCH AND GROUT: Prime substrate with neat mixed epoxy. Place epoxy mortar using trowels before prime coat becomes tack-free.

LIMITATIONS:

Minimum substrate temperature is 40ºF (5ºC). Do not thin. Solvents will prevent proper cure. Hardened concrete shall have reached its design strength and be dimensionally stable.

CLEAN UP:

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with **RepSolv-X**, Xylene, or other approved solvent. Cured material can only be removed mechanically.

READ SDS PRIOR TO USING THIS PRODUCT.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.